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Extraordinary Combination™

VP8 User Manual

Advidia VP8

VP8 compress video/audio data and transmit the compressed video/audio data through the network in real time. VP8 provides a high quality video image with a limited bandwidth and storage capacity. These products are ideally suited for a wide range of surveillance and remote monitoring applications. Main features are highlighted below.

Main features

- 8 Inputs
- 1U Rack Mount Case
- H.264 High Quality Compression
- D1 at 30 FPS on 16 channels
- 8 Video Loop outs
- De-interlaced video
- Integrated power supply
- Motion detection on the device

Network

- 100/1000 Network Adapter

Additional Features

- RS-485 serial port for Pan/Tilt/Zoom.
- 8 port digital Input/Output

Network Setup

VP8 supports a single 100/1000 network port. At default settings, the VP8 will use approximately 1.5mbit/sec per channel or 25Mbit/sec for all 8 channels.

Setting the VP8 IP Address:

1. Connect a PC and the VP8 to a network switch or connect the computer directly to the VP8 via the network ports.
2. Set your PC address to 192.0.0.100.
3. Using a browser, enter the address <http://192.0.0.64>
 - a. If the VP8 does not respond to 192.0.0.64, depress the reset button (refer to Page 7) on the back of the unit during power on and hold for 15 seconds to default.
4. On the login screen enter:
 - a. default username is *admin*
 - b. default password is *12345*
 - c. default port is *8000*

5. Select Config in the top menu.
6. Then select Remote Config from the side menu.

7. Select Network Settings

Remote setting

- Device Parameters
- Channel Parameters
 - Display Settings
 - Video Parameters
 - Schedule Record
 - Motion Detection
 - Video Lost
 - Video Tampering
 - Video Mask
 - Text Overlay
- Network Parameters**
 - Network Settings**
 - PPPOE Settings
 - DDNS Settings
 - NTP Settings
 - NFS Settings
 - E-mail Settings
- Serial Port Settings
- Alarm Parameters
- Exception Parameters
- Account Management
- HDD Settings
- Update Remotely

Network Settings

NIC Type: 10M/100M/1000M A ▼

Device IP Address: 10 . 10 . 5 . 19 ☐ Obtain Auto

Device Port: 8000

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 10 . 10 . 5 . 254

MAC: 00:40:48:41:2a:ea

Multicast: 0 . 0 . 0 . 0

HTTP Port: 80

RTSP Port: 554

Advance

Default Reboot Save Cancel

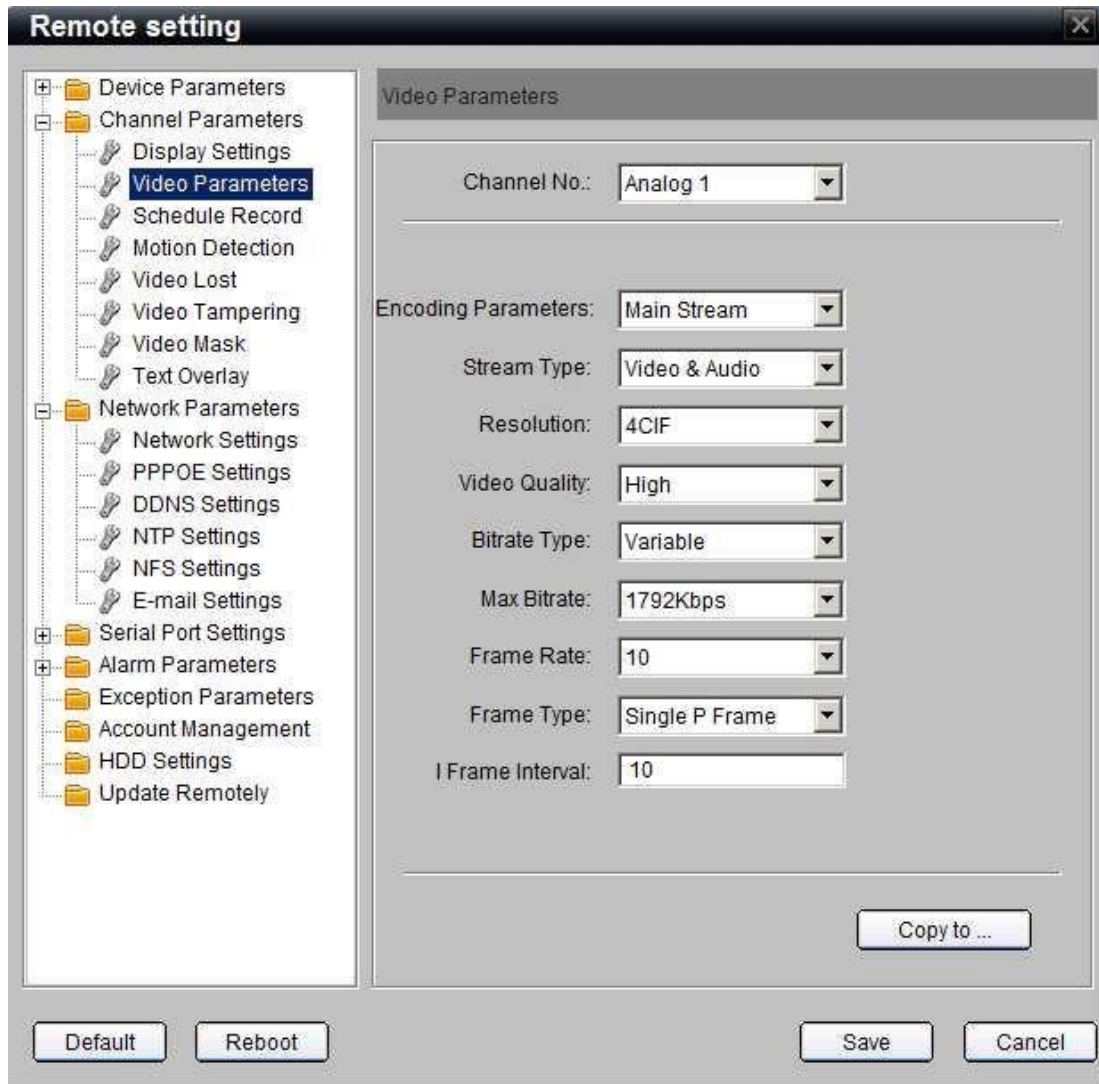
Enter new IP address

Click Save

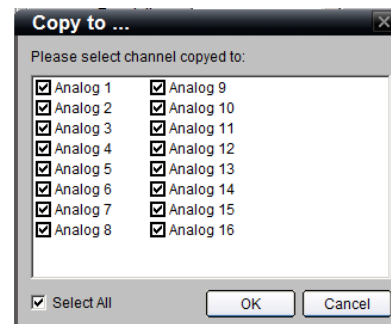
Click Reboot

Camera Setup

The VP8 supports 8 analog inputs. Each input can be configured for resolution, FPS, quality, bitrate and motion detection to name a few of the options. From the Remote Settings menu, select Camera Channels from the left menu and select the input via the dropdown menu.



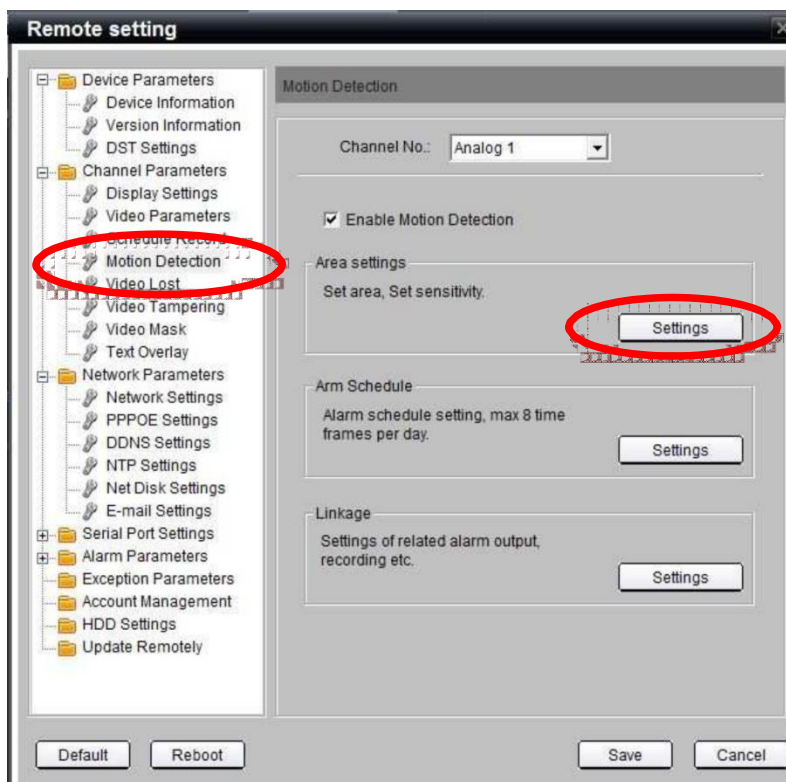
Set each camera individually or use the Copy to button in the lower right to copy the configuration from one camera to the others.



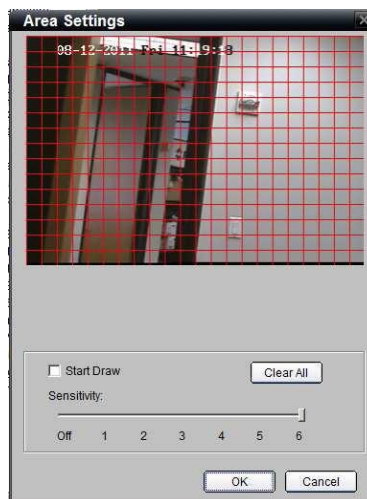
Motion Detection Setup

The VP8 supports motion detection. When selecting this option, the CPU on the NVR is not used for these calculations and allows more encoders to run per NVR. To configure the onboard motion detection, select Motion Detection, from the camera setup menu. The default settings work well in most circumstances, but use the menu to adjust manually if necessary.

To Enable Motion Detection, select Motion Detection from the Channel Parameters menu. To adjust sensitivity settings, select Settings:



By default, the system enables a single zone over the entire image. To create individual zones, select Clear All and use the mouse to outline a specific area.



Connections

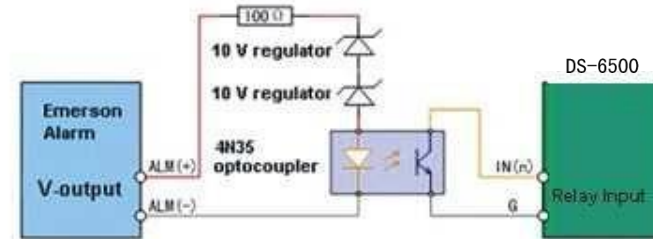


	Interface	Connections
1	VIDEO/AUDIO IN	BNC connectors for video/audio input
2	LOOP OUT	Video loop output connector (optional) for connection to monitor
3	LINE IN	Voice talk input interface for connection to active audio input device, microphone, etc.
4	AUDIO OUT	Voice talk output interface for connection to audio output device, e.g., loudspeaker, etc.
5	RS-232	Serial interface for configuration of device's parameters or used as transparent channel
6	POWER	Power on/off
7	LAN	10/100/1000Mbps self-adaptive UTP Ethernet interface
8	RESET	Restore the factory default settings by holding the <i>RESET</i> button for 15 seconds after power is on.
9	RS-485	RS-485 serial interface for connection to pan/tilt unit, speed dome, etc.
10	ALARM IN	Relay alarm input
11	ALARM OUT	Relay alarm output
12	AC110V	110VAC power supply
13	GND	Ground

Digital Input/Output Setup

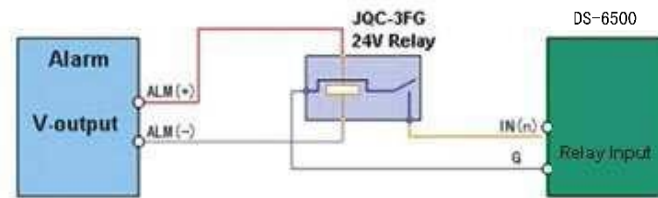
The VP8 digital inputs and outputs. The input can signal an open or closed position as shown below:

Alarm input connections for Emerson Alarm:

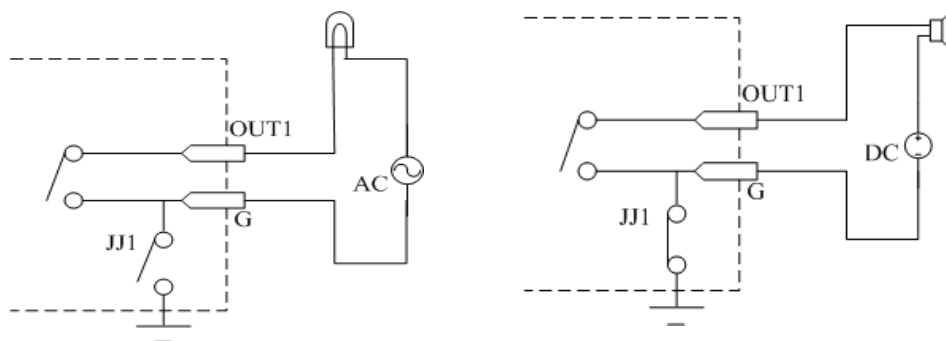


Note: the corresponding relay input port of DS-6500 should be set to NC mode

Alarm input connections for Normal Alarm:



Output Connections



Please note the different connections of JJ1 shown above.

For DC load, JJ1 can be safely used both in NC and NO methods, and it is recommended to use within the limit of 12V/1A. For external AC input, JJ1 must be open. The motherboard provides two jumpers, each corresponding to one alarm output. And both of two jumpers are factory set to be connected.

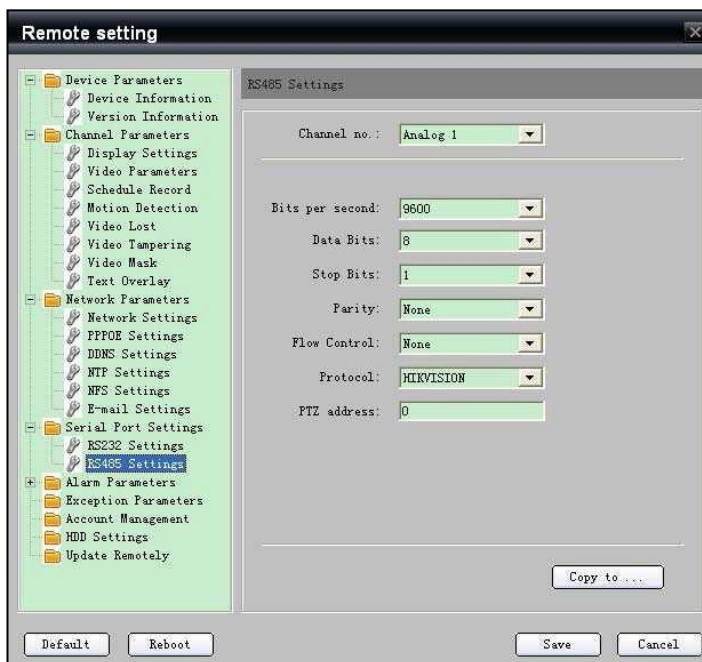
PTZ Setup

The VP8 supports RS-485 based control of PTZ using the following protocols:

1602-PROTOCOL 3609hd A-01 AB-D AB-P ACES ADV ALSON ANTEN BV-RS422 BEWATOR-PELCO DRAGON DSCP HikVision Honeywell HY Infinovadcp001A IntegrativeP KC3360S Kony	LC-D2104 LG Multix Lilin Maowang Naijie Nitro Pelco-D Pelco-P Pelco-RS422TY Philips-3 PLD RedApple RM110 SAE Samsung Shinei Siemens Sony-EVID100/P Sony-EVI-D30/31 Sony-EVI-D70	SPD-2200 TCL-Pelco-D TCL-Pelco-P TC-Pelco-D TC-Pelco-P Tiandy Tiandy-Pelco-D Tiandy-Pelco-P Tianmin-Pelco-D Tianmin-Pelco-P TL-HHX2000 TL-Pelco-P TL-V1200 VC-2000PTC-C VIDO B-01 VIDO B-02 YAAN-1 YAAN-2 YF-06 YOUJI
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Embedded with multiple receiver protocols, VP8 Series Encoder Server is capable of realizing the control of pan/tilt unit or speed dome connected, as well as performing the pan/tilt movement, preset calling, patrol and other functions of the speed dome either by client software or IE browser.

Firstly, connect the R+ and R- terminals of the pan/tilt unit or speed dome to RS-485 T+ and RS-485 T- terminals



Specifications

Model		VP-8 HCI
Video/ Audio input	Video Compression	Standard H.264
	Video input	1/2/4/8/16-ch, BNC(2Vp-p, 1kΩ)
	Audio compression	OggVorbis
	Audio input	1/2/4/8/16-ch, BNC(2Vp-p, 1kΩ)
	Voice talk input	1-ch, MIC connector
	Video loop out	DB26 connector (optional)
	Audio output	1-ch, MIC connector
	Recording resolution	QCIF/CIF/2CIF/DCIF/4CIF
	Frame rate	VP-8: QCIF/CIF/2CIF/DCIF/4CIF: 25(P)/30(N) fps
	Video bit rate	32Kps~2048Kbps, or user-defined (Max. 3Mbps)
	Dual Stream	Supported
	Stream Type	Video/Video & Audio
External interface	Network interface	1RJ-45 10/100/1000Mbps self-adaptive UTP Ethernet interface
	Serial interface	1 RS485, 1 RS232(DB9 Port)
	Alarm in	16
	Alarm out	4
Others	LED Indicator	Ready, Tx/Rx, Link, HD, Power, Channel Status LED Indicators
	Chassis	1U, 19-inch; Rear panel provides <i>Reset</i> button
	Power supply	External, 110/220V
	Consumption	≤40W
	Working temperature	-10~+55
	Working humidity	10%~90%
	Dimension	440mm(D)×300mm(W)×45mm(H)
	Weight	≤5Kg